BRUHAT BANGALORE MAHANAGARA PALIKE

Project: Construction Govt School Building at kodige halli ward No 8

Est Cost: 50.0Lakh

Sl. No.	Description of work	Unit	No.	Length	Breadth	Depth	Quantity	Rate in Rs.	Amount in Rs.
				m	m	m			
1	Dismantling Mangalore tiles roof and stacking the material within a radius of 50 meters. - - with reepers. (P.No. 257, I.No. 37.42.1 of SR 2016-17).								
	Existing building								
	Tile roof	1	1	13.20	7.93		104.68		
	Total Qty	Sqm					104.68	150.76	15780.95
	Basic rate	47							
	Loading and unloading with 10km lead= 68+2.5x1.28x10 = 100	100							
	Area Weightage 8%	3.76							
	Final Rate	150.76							
2	Dismantling burnt brick masonry in clay mortar/lime mortar/cement mortar and stacking the bricks within a radius of 50m and removing the debris to a distance upto 200m. (P.No. 258, I.No. 37.47 SR 2016-17).								
	Existing building								
	brick walls		2	13.20	0.30	3.00	23.76		
			2	5.43	0.30	3.50	11.40		
			5	5.4	0.3	3.00	24.30		
	Pillars		5	0.45	0.45	2.80	2.84		
	Total Qty	Cum					59.46	268.48	15964.63
	Basic rate	156							
	Loading and unloading with 10km lead= 68+2.5x1.28x10 = 100	100							
	Area Weightage 8%	12.48							
	Final Rate	268.48							

	...rfacing cement concrete flooring or plain cement concrete ... including removing and conveying the debris to distance ... 200m (within average thickness of 15 cms)(Item no 37.51page no 258)								
	Existing building								
	Flooring	1	1	13.20	5.43	0.15	10.75		
	Total Qty	**Cum**					**10.75**	**159.40**	**1713.77**
	Basic rate	**55**							
	...loading and unloading with 10km lead=								
	68+2.5x1.28x10 = 100	**100**							
	Area Weightage 8%	**4.4**							
	Final Rate	**159.4**							
4	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification, No. KBS 2.1(a) / 2.3.5 (Page no -5, item no - 2.3)								
	school building								
	Footings	1	9	1.50	1.50	1.70	34.43		
	Foundation	1	1	58.70	1.10	1.30	83.94		
	Foundation for staircase		1	12.80	0.80	0.75	7.68		
	Total Qty	**Cum**					**126.05**	**204.12**	**25728.51**
5	KSRB 2.14-1: Extra for additional lift of 1.5m. or part thereof for excavation in loose / soft or hard soil including cost of materials, labour complete as per specifications. (Page no -7, item no - 2.21)								
	school building								
	Footings	1	9	1.50	1.50	0.80	16.20		
	Total Qty	**Cum**					**16.20**	**218.16**	**3534.19**
6	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892cum and fine aggregates @ 465 cum machine mixed, machine mixed,concrete laid in layers not exceeding 15 cms, thick well compacted, in foundation and plinth, including cost of all material, labour HOM Machinery curing complete as per specification,(Page. No. 12 Item No. 4.2								
	school building								
	Footings	1	9	2.10	2.10	0.15	5.95		

	Beam	1	1	58.70	0.20	0.15	1.76		
	ation	1	1	58.70	1.10	0.15	9.69		
	ation for staircase		1	12.80	0.80	0.15	1.54		
	Total Qty	**Cum**					**18.94**	**5449.68**	**103195.14**
7	KSRB 5.1-3 : Providing and constructing granite / trap / basalt rubble stone masonry in foundation with cement mortar 1:6 (uncoursed), bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.12(Page. No. 22 Item No.5.3)								
	school building								
	Foundation		1	58.70	0.90	0.45	23.77		
			1	58.70	0.60	0.45	15.85		
			1	10.86	0.60	0.45	2.93		
	Foundation for staircase		1	12.80	0.60	0.45	3.46		
	Total Qty	**Cum**					**46.01**	**3508.92**	**161447.87**
8	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13(Page. No. 23 Item No. 5.9								
	school building								
	Foundation		1	58.70	0.45	0.45	11.89		
	Foundation for staircase		1	12.80	0.45	0.45	2.59		
	Total Qty	**Cum**					**14.48**	**5405.40**	**78263.44**
9	KSRB 15.1.1 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.								
	school building								
	Pointing	1	2	58.70		0.45	52.83		
		1	2	58.70		0.45	52.83		
		1	2	58.70		0.45	52.83		
	Foundation for staircase		2	12.80		0.45	11.52		
			2	12.80		0.45	11.52		
	Total Qty	**Cum**					**181.53**	**104.76**	**19017.08**

10	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No. 4.6 of PWD SR 2016-17)								
	Coping								
	Foundation	1	1	58.70	0.45	0.10	2.64		
	Foundation for staircase		1	12.80	0.45	0.10	0.58		
	Total Qty	**Cum**					**3.22**	**5876.28**	**18906.93**
11	KSRB 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No. 4.5 of PWD SR 2015-16)								
	Flooring								
		1	1	12.80	5.50	0.15	10.56		
			1	12.80	2.00	0.15	3.84		
	staircase		1	10.20	2.20	0.15	3.37		
	Total Qty	**Cum**					**17.77**	**5985.36**	**106335.91**
12	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2(Page No : 15, item No : 4.28)								
	school building								
	Footings	1	9	7.60		0.50	34.20		
	Total Qty	**Sqm**					**34.20**	**249.48**	**8532.22**

13	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (Page No : 16, item No : 4.32)								
	school building								
	Columns	1	9	1.40		4.50	56.70		
	Total Qty	**Sqm**					**56.70**	**395.28**	**22412.38**
14	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2(Page No : 16, item No : 4.31)								
	school building								
	For Ground Floor								
	Plinth Beam	1	2	58.70		0.45	52.83		
	Total Qty	**Sqm**					**52.83**	**316.44**	**16717.53**
15	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (Page No : 16, item No : 4.32)								
	First floor								
	Columns		9	1.40		3.00	37.80		
							37.80	**400.28**	**15130.58**
	Basic rate	**366**							
	lift charges per floor	**5**							
	Area Weightage 8%	**29.28**							
		400.28							
	Third Floor								
	Columns	1	2	1.30		2.40	6.24		
	Total Qty	**cum**					**6.24**	**411.48**	**2567.64**
	Basic rate	**366**							
	additionalcharges per floor	**15**							
	Area Weightage 8%	**30.48**							
	Final Rate	**411.48**							

16	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitonsupto 3.50m from ground level. Specification No. KBS 4.6.2(Page No : 15, item No : 4.18)								
	ground floor								
	Roof Slab	1	1	13.20	7.70		101.64		
	Total Qty	**Sqm**					**101.64**	**343.44**	**34907.24**
	Basic rate	**313**							
	additionalcharges per floor	**5**							
	Area Weightage 8%	**25.44**							
	Final Rate	**343.44**							
	ground floor								
	Roof Slab	1	1	13.20	7.70		101.64		
	Total Qty	**Sqm**					**101.64**	**348.84**	**35456.10**
	Basic rate	**313**							
	additionalcharges per floor	**10**							
	Area Weightage 8%	**25.84**							
	Final Rate	**348.84**							
	Third Floor								
	Staircase	1	1	10.80	2.40		25.92		
	Total Qty	**Sqm**					**25.92**	**370.44**	**9601.80**
	Basic rate	**313**							
	additionalcharges per floor	**30**							
	Area Weightage 8%	**27.44**							
	Final Rate	**370.44**							
17	KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2(Page No : 16, item No : 4.34)								
	ground floor								
	Lintel	1	2	48.12		0.20	19.25		
	Roof beam	1	2	58.76		0.45	52.88		
	first floor								
	Lintel	1	2	48.12		0.20	19.25		

	Roof beam	1	2	58.76		0.45	52.88		
	Total Qty	Sqm					144.26	276.48	39886.11
	Basic rate	256							
	additionalcharges per floor	0							
	Area Weightage 8%	20.48							
	Final Rate	276.48							
18	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 (Page No : 13, item No : 4.11)								
	ground floor								
	Footing		9	2.10	2.10	0.50	19.85		
	Columns	1	9	0.20	0.50	4.50	4.05		
	Plinth beams		1	58.76	0.20	0.45	5.29		
	Total Qty	Cum					29.18	6491.88	189455.13
	Basic rate	6011							
	additionalcharges per floor	0							
	Area Weightage 8%	480.88							
	Final Rate	6491.9							
	Columns	1	9	0.20	0.50	3.00	2.70		
	Total Qty	Cum					2.70	6545.88	17673.88
	Basic rate	6011							
	additionalcharges per floor	50							
	Area Weightage 8%	484.88							
	Final Rate	6545.9							

	Third Floor								
	Columns	1	2	0.20	0.45	2.40	0.43		
	Total Qty	**cum**					**0.43**	**6653.88**	**2874.48**
	Basic rate	**6011**							
	additionalcharges per floor	**150**							
	Area Weightage 8%	**492.88**							
	Final Rate	**6653.9**							
19	KSRB 4.2.8: Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintles, and beams retaining walls, return walls, walls (any thickness) including attached plasters, columns, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6. (P. No. 14/ I.No. 4.13								
	ground floor								
	Roof Slab		1	13.20	7.70	0.15	15.25		
	Lintel	1	1	48.12	0.20	0.20	1.92		
	roof beams		1	58.76	0.20	0.45	5.29		
	Total Qty	**Cum**					**22.46**	**6650.64**	**149368.05**
	Basic rate	**6158**							
	additionalcharges per floor	**0**							
	Area Weightage 8%	**492.64**							
	Final Rate	**6650.6**							
	First floor								
	Roof Slab		1	13.20	7.70	0.15	15.25		
	Lintel	1	1	48.12	0.20	0.20	1.92		
	roof beams		1	58.76	0.20	0.45	5.29		
	Total Qty	**Cum**					**22.46**	**6704.64**	**150580.85**
	Basic rate	**6158**							
	additionalcharges per floor	**50**							
	Area Weightage 8%	**496.64**							
	Final Rate	**6704.6**							

	floor								
	2d		1	10.80	2.40	0.15	3.89		
	Total Qty	**Cum**					**3.89**	**6704.64**	**26067.64**
	Basic rate	**6158**							
	Additionalcharges per area	**150**							
	Area Weightage 8%	**496.64**							
	Final Rate	**6704.6**							
20	SR 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - TMT bars Fe 500 (Page No : 17, item No : 4.46.2)								
	ground floor								
	Roof Slab								
	200kg/cum for Footin			19.85	200.00		3969.00		
	220kg/cum for Columns			7.18	220.00		1580.04		
	220kg/cum for Beams			15.87	220.00		3490.34		
	140kg/cum for Slabs			34.38	140.00		4813.20		
	100kg/cum for Plinth, Lintel and Chajja			3.85	100.00		384.96		
							14237.54		
	Total Qty	**Tonne**					**14.24**	**65455.56**	**931926.42**
	Basic rate	**60607**							
	Area Weightage 8%	**4848.6**							
	Final Rate	**65456**							
21	Lift charges for steel of all diameters for additional floors over ground floor per floor height of 3.5 m. or part thereof cost of labour, complete as per specifications. (P.No. 18, I.No. 4.47 of PWD SR 2015-16))								
	Total Qty	**Tonne**					**10.27**	**509.76**	**5234.49**
	Basic rate	**472**							
	Area Weightage 8%	**37.76**							
	Final Rate	**509.76**							

ERB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4(Page No :25, item No : 5.27.1)								
ground floor								
Walls	1	1	55.63		3.00	166.89		
Staircase Room		1	12.80		3.00	38.40		
Deduction for openings								
Door D1	2	-1	1.20		2.10	-5.04		
Windows	3	-1	1.50		1.50	-6.75		
Total Qty	**Sqm**					**193.50**	**897.48**	**173662.38**
Basic rate	**831**							
additionalcharges per floor	**0**							
Area Weightage 8%	**66.48**							
Final Rate	**897.48**							
First floor								
Walls	1	1	55.63		3.00	166.89		
Staircase Room		1	12.80		3.00	38.40		
Deduction for openings								
Door D1	4	-1	1.20		2.10	-10.08		
Windows	3	-1	1.50		1.50	-6.75		
Total Qty	**Sqm**					**188.46**	**927.48**	**174792.88**
Basic rate	**831**							
additionalcharges per floor	**30**							
Area Weightage 8%	**66.48**							
Final Rate	**927.48**							
Second Floor								
Staircase Room		1	12.80		3.00	38.40		
Total Qty	**Sqm**					**38.40**	**957.48**	**36767.23**
Basic rate	**831**							
additionalcharges per floor	**60**							
Area Weightage 8%	**66.48**							
Final Rate	**957.48**							

Second Floor								
Staircase Room		1	12.80		2.70	34.56		
Total Qty	Sqm					34.56	957.48	33090.51
Basic rate	831							
additionalcharges per floor	60							
Area Weightage 8%	66.48							
Final Rate	957.48							
23 KSRB15-3.10 : Providing 20mm thick cement plaster in single coat with cement mortar 1:6, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.(Page No :114, item No : 15.20)								
External plaster								
ground floor		1	55.63		3.3	183.579		
Staircase Room		1	15.00		3.45	51.75		
for extra works						16.47495		
Total Qty	Sqm					251.80	234.64	59083.28
Basic rate	208							
add scaffolding charge	10							
Area Weightage 8%	16.64							
Final Rate	234.64							
first floor		1	55.63		3.3	183.58		
Staircase Room		1	15.00		3.45	51.75		
for extra works						39.36		
Total Qty	Sqm					274.69	246.24	67639.26
Basic rate	208							
add scaffolding charge	20							
Area Weightage 8%	18.24							
Final Rate	246.24							
Second Floor								
Staircase Room		1	15.00		2.55	38.25		
Total Qty	Sqm					38.25	267.84	10244.88
Basic rate	208							
additionalcharges per floor	40							
Area Weightage 8%	19.84							
Final Rate	267.84							

	Second Floor								
	Staircase Room		1	15.00		2.55	38.25		
	Total Qty	**Sqm**					**38.25**	**289.44**	**11071.08**
	Basic rate	208							
	additionalcharges per floor	60							
	Area Weightage 8%	21.44							
	Final Rate	289.44							
24	KSRB15-3.4 : Providing 15mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications...(Page No.113, Item No.15.12)								
	Internal Plastering								
	ground floor								
	Walls	2	1	48.00		3.00	288.00		
	Staircase Room		1	15.00		3.00	45.00		
	Deduction for openings								
	Door D1	4	-1	1.20		2.10	-10.08		
	windows	6	-1	1.50		1.50	-13.50		
							309.42	**221.40**	**68505.59**
	Basic rate	205							
	add scaffolding charge	0							
	Area Weightage 8%	16.4							
	Final Rate	221.40							
	first floor						**309.42**	**226.80**	**70176.46**
	Basic rate	205							
	add scaffolding charge	5							
	Area Weightage 8%	16.8							
	Final Rate	226.80							
	Second Floor								
	Staircase Room		1	15.00		3.00	45.00		
							45.00	**232.20**	**10449.00**
	Basic rate	205							
	add scaffolding charge	10							
	Area Weightage 8%	17.2							
	Final Rate	232.20							

	Second Floor								
	Staircase Room		1	15.00		2.55	38.25		
							38.25	237.60	9088.20
	Basic rate	205							
	add scaffolding charge	15							
	Area Weightage 8%	17.6							
	Final Rate	237.60							
25	KSRB15-3-13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (P.No. 113, I.No. 15.21 of PWD SR 2015-16)								
	Ceiling ground floor	1	1	13.20	7.70		101.64	213.84	21734.70
	Basic rate	193							
	additionalcharges per floor	5							
	Area Weightage 8%	15.84							
	Final Rate	213.84							
	Ceiling first floor	1	1	13.20	7.70		101.64		
		1	2	4.30	3.95		33.97		
		1	1	10.80	2.20		23.76		
	Total Qty	Sqm					159.37	219.24	34940.28
	Basic rate	193							
	additionalcharges per floor	10							
	Area Weightage 8%	16.24							
	Final Rate	219.24							
26	Providing applying two coats of wall putty to inside plastered walls andceiling using white cement putty. Scrapping and levelling the surfaceusing steel blade and preparing the surface even and smooth by usindifferent grade sand papers, including cost of all materials, cost of labourand scaffolding etc., complete as per the specification. (Page No. 125, Item No. 15.106)								
	Same As Internal and Ceiling Plastering Qnty								
	Total Qty	Sqm					570.43	60.48	34499.61
	Basic rate	56							
	Area Weightage 8%	4.48							
	Final Rate	60.48							

	KSRB 15.10.4 Providing white washing to ceiling and / or sloping roof surface with additional one coat with lime of approved quality, to give an even shade including cost of materials, labour, complete as per specifications.(Page No. 115, Item No. 15.41)					
	Same As Internal and Ceiling Plastering Qnty					
	Total Qty	**Sqm**		**261.01**	**4.32**	**1127.56**
	Basic rate	**4**				
	Area Weightage 8%	**0.32**				
	Final Rate	**4.32**				
28	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer. (P. No. 118, I.No. 15.53.2).					
	Same As External Plastering Qnty					
	Total Qty	**Sqm**		**602.99**	**93.96**	**56657.16**
	Basic rate	**84**				
	Area Weightage 8%	**6.96**				
	lift charges per floor	**3**				
	Final Rate	**93.96**				
29	Providing and applying two coats with Plastic emulsion paint of approved brand wall surface to a give an even approved shade after throuughly brushing the surface,free from mortar drops and other foreign matter, including priming , including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications,with primer. (Page No : 117, item No :15.51.2)For internal walls.					
	Same As Internal Plastering Qnty					
	Total Qty	**Sqm**		**702.09**	**97.20**	**68243.15**
	Basic rate	**90**				
	Area Weightage 8%	**7.2**				
	lift charges per floor	**0**				
	Final Rate	**97.20**				

	Providing and applying two coats with Plastic emulsion paint of approved brand wall surface to a give an even approved shade after throuughly brushing the surface,free from mortar drops and other foreign matter, including priming , including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications,with primer. (Page No : 117, item No :15.51. 2 & 3) for ceiling								
	Same As Ceiling Plastering Qnty								
	Total Qty	**Sqm**					**261.01**	**101.52**	26497.74
	Basic rate	**94**							
	Area Weightage 8%	**7.76**							
	lift charges per floor	**3**							
	Final Rate	**104.76**							
31	Providing and fixing Special make glazed Vitrified tiles (Granomite finish) of approved make, quality and colour of size 600x600x10mm thick fixed on existing flooring with a special roffe adhesive for flooring and skirting etc., complete including providing spears at required interval and removing stains etc., complete. (P.No. 107, I.No. 14.43).								
	FlooringGround floor	1	1	13.20	7.70		101.64		
	skirting		1	53.40	0.15		8.01		
	Flooring first floor	1	1	13.20	7.70		101.64		
	skirting		1	53.40	0.15		8.01		
	Total Qty	**Sqm**					**219.30**	**1286.82**	282199.63
	Basic rate	**1190**							
	Area Weightage 8%	**95.32**							
	lift charges per floor	**1.5**							
	Final Rate	**1286.82**							
32	KSRB 9.4-2 : Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications. Specification No. KBS 9.33								
	(P.No48, I.No. 9.11 of PWD SR 2016-17).								
	internal doors D1	**cum**	4	6.8	0.1	0.13	**0.34**	102855.00	34970.70

33	KSRB 4.5-2 Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) Specification No. KBS 9.34 (P.No.47, I.No. 9.15 of PWD SR 2016-17).								
	internal doors D1	Sqm	4	1.2		2.1	10.08	5014.44	50545.56
34	KSRB 7.9:Providing and fixing M.S.gill work for windows and ventilators using M.S.flats, or M.S. square rods, or combination of M.S.flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications. Specification No. KBS 7.12 . (Page No: 32 Item No: 7.9)								
	Windowsground floor		12	1.50		1.50	27.00		
	Windowsfirst floor		12	1.50		1.50	27.00		
							54.00		
	at 25kgs/sqm						1134.00		
	Total Qty	Kgs					1134.00	84.24	95528.16
35	KSRB 7.10 Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using double track window frame section of size 61.85x31.75mm. with 1.2mm thick, bottom section weight 0.695 kg/m, sides and top sections 1.3 mm. thick weight 0.659 kg/m; and shutter comprising top and bottom section of size 40mmx18mm, 1.25mm thick 0.417 kg./m; shutter outer side 40mmx18mm, 1.25mm.thick weight 0.417 kg/m, shutter interlock section 40mmx26.7mm, 1.1mm thick, weight 0.469 kg/m. the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; and providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted in the assembled frame stiffened with end clips at corners angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be with								
	Windowsground floor		12	1.50		1.50	27.00		

	Windows/first floor		12	1.50	1.50	27.00		
	Total Qty	Sqm				54.00	4123.44	222665.76
36	Providing and fixing M.S. Hand railing for Balcony with 50mm dia. M.S. pipe grills of 14 gauge, welded to 20mmx20mm M.S. square MS pickets vertically, spaced at 100mm at regular intervals of 100mm. These vertical rods laterally tied to 3 horizontal MS flats placed at equal interval. These assembly is fixed to concrete by using expansion bolts and welding the same to reinforcement bars and making good the surface. All the joints and sections should be cut to length, welded and grinded wherever necessary etc., complete . The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification and drawing.							
	for verandah		3	18.2	1.2	65.52		
						65.52	2857.68	187235.19
	Total Qty	Mtr						
37	KSRB 10-2 : Providing and laying in position yelahanka tiles of size 250 x 250mm of approved quality and make, over a bed of cement mortar 1:3 an average thickness 25mm over weather proof course and painted with cement mortar 1:3 mix with red oxide including curing cost of materials, labour complete as per specifications. Specification No. KBS							
	For waterproofing roof	sqm	1	13.20	7.70	101.64	868.32	88256.04
							TOTAL :	4137952.91
37							Cost towardsElectrical Works&Sanitory	400000.00
38							Cost towards PMC / Third Party inspection LS	41380.00
39							Cost towards Tender Premium 10%	413795.29
							Sub Total	4993128.20
40							Miscellaneous and rounding off	6871.80
							Total	5000000.00

Certificate

1. The rates adopted based on the PWD SR, Bangalore circle for year 2016-17.
2. The provisions made in the estimate are necessary and essential.
3. The workspot was inspected and work is found to be necessary.
4. The area comes within the Bruhat Bangalore Mahanagara Palike limits.

Technical Section
Accorded For Rs fifty lakhs only
P-3333
CER NO TS/556/17-18 Dt 22.01.18

TA

CE (YNK)

ADMINISTRATIVE APPROVAL

Accorded For Rs Fifty lakhs only

Invoice of A/c P-3333

Div. Ref. No. 166/17-18 Date 22/01/18

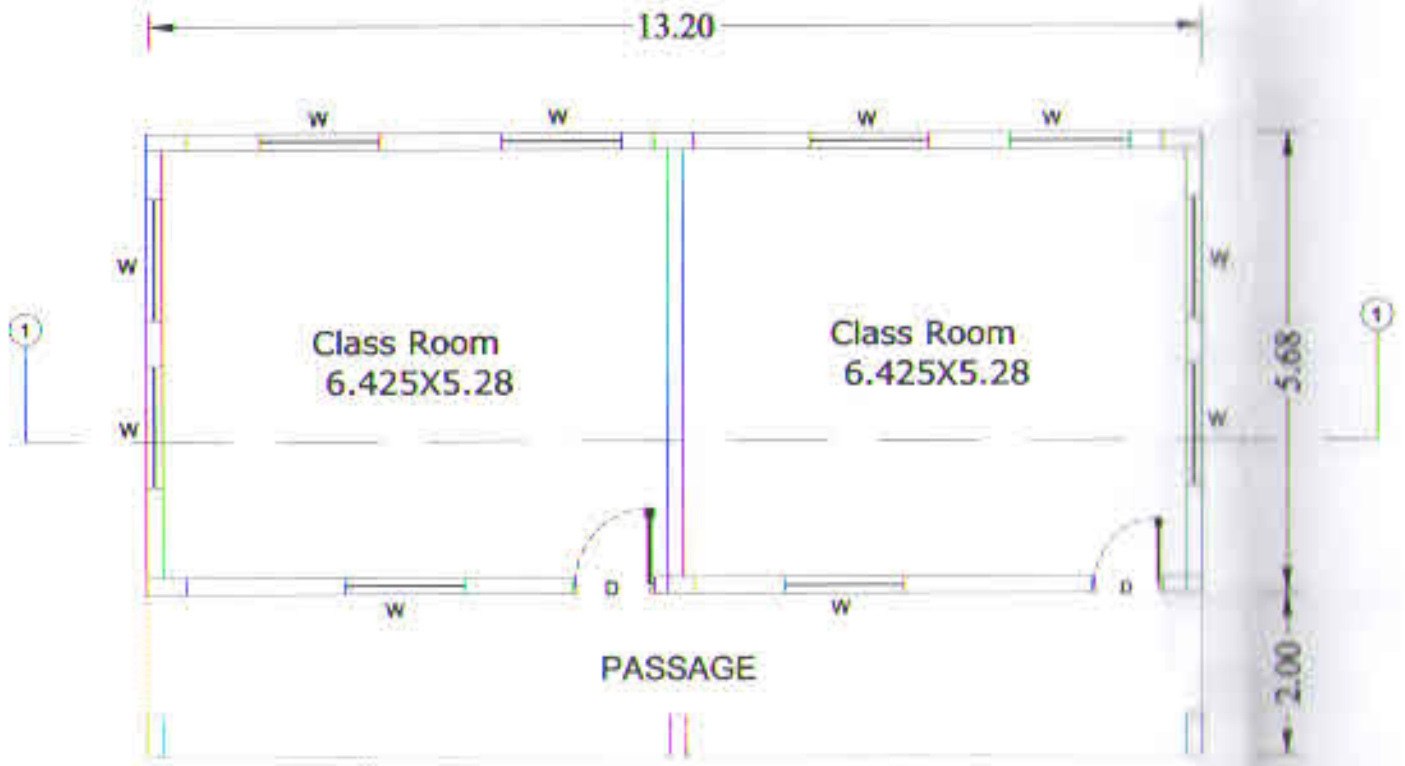
AE

EE(BTP) 22/01

17 of

BRUHAT BANGALORE MAHANAGARA PALIKE

Construction of overnment School Buildin At Kodiehalli In Ward No 08



GROUND FLOOR

NOTE:
1. ALL DIMENSION & LEVELS ARE IN... UNLESS OTHERWISE MENTIONED

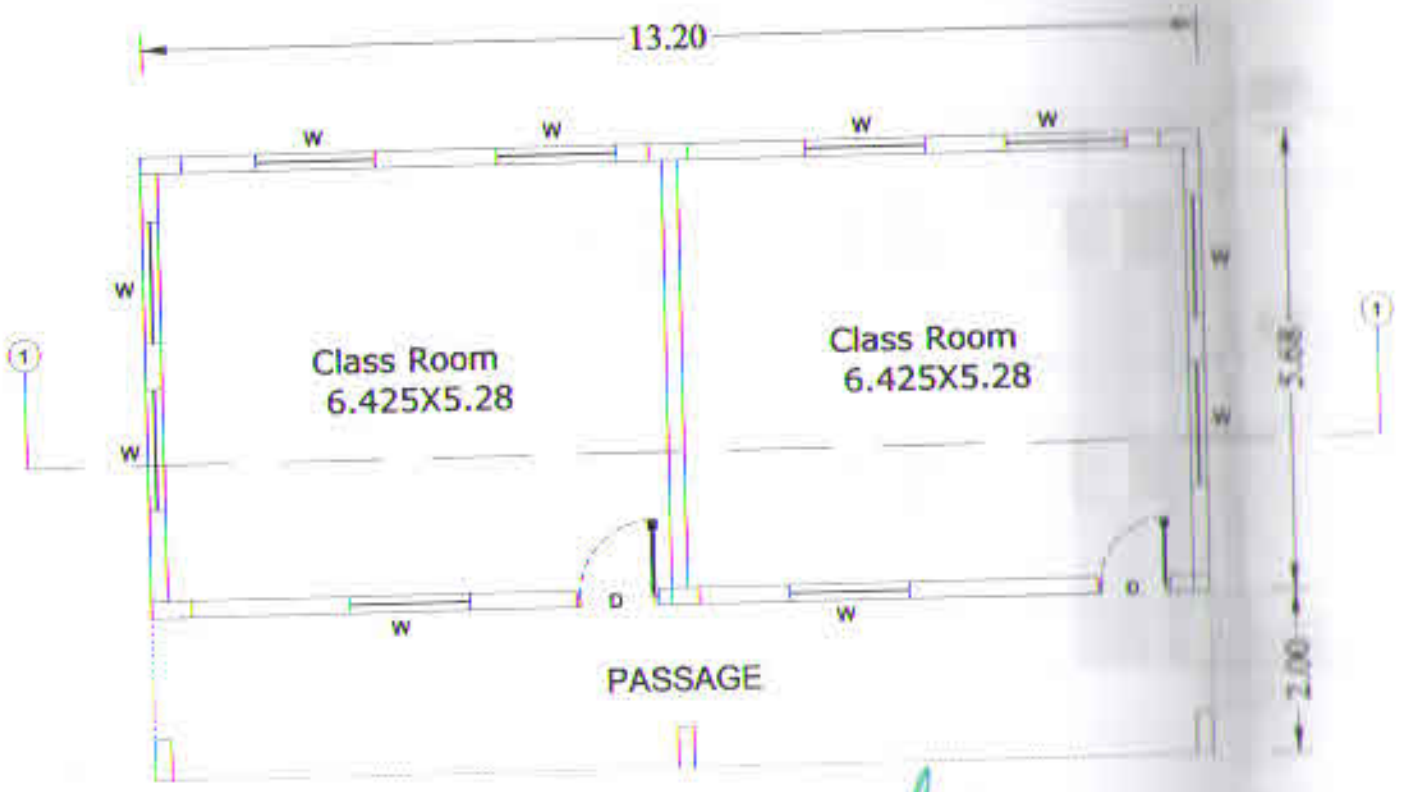
LEGEND:

SCHEDULE OF OPENING

DOOR D	2	1.20m X 2.10m
WINDOW W	10	1.50m X 1.50m

BRUHAT BANGALORE MAHANAGARA PALIKE

Construction of overnment School Buildin At Kodiehalli In Ward No 08

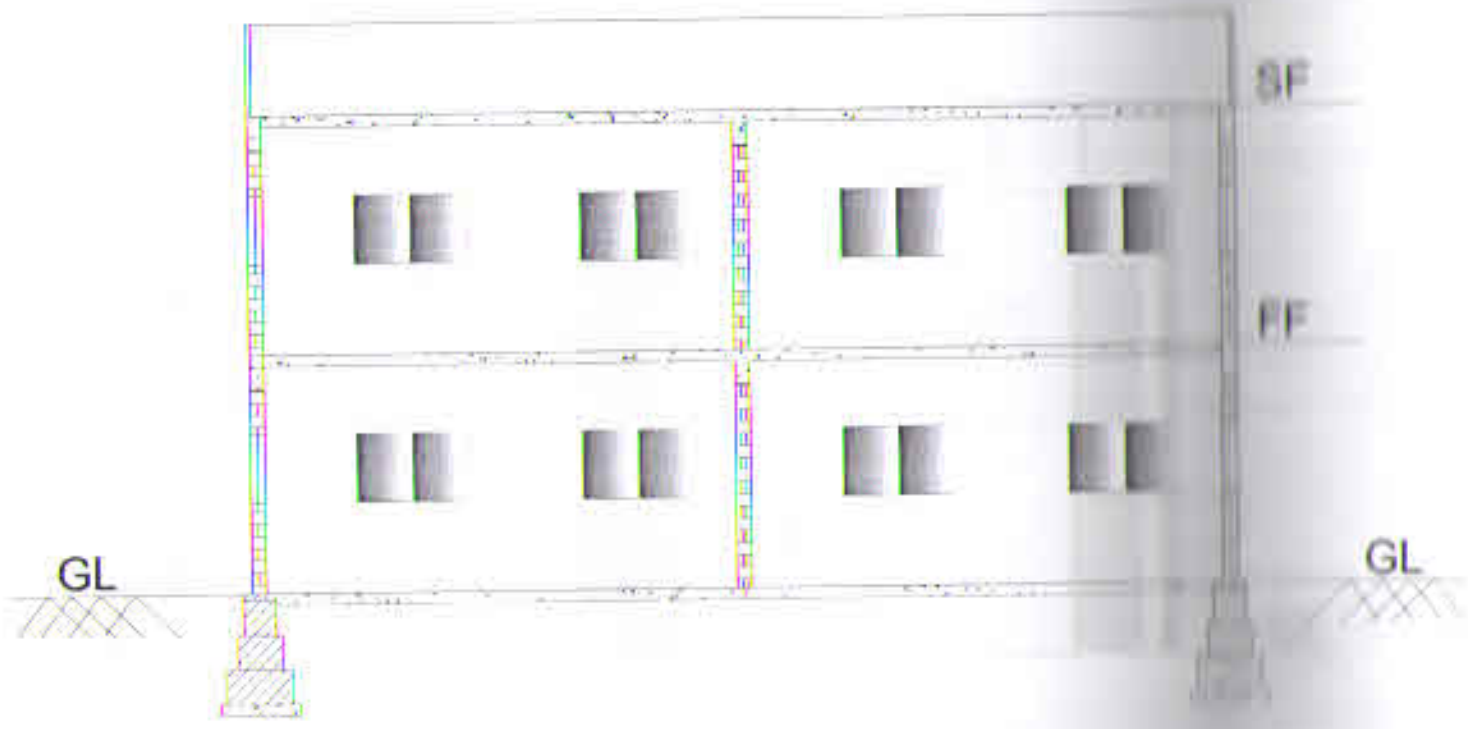


FIRST FLOOR

SCHEDULE OF OPENING		
DOOR D	2	1.20m X 2.10m
WINDOW W	10	1.50m X 1.50m

BRUHAT BANGALORE MAHANAGARA PALIKE

Construction of overnment School Buildin At Kodiehalli In Ward No 08



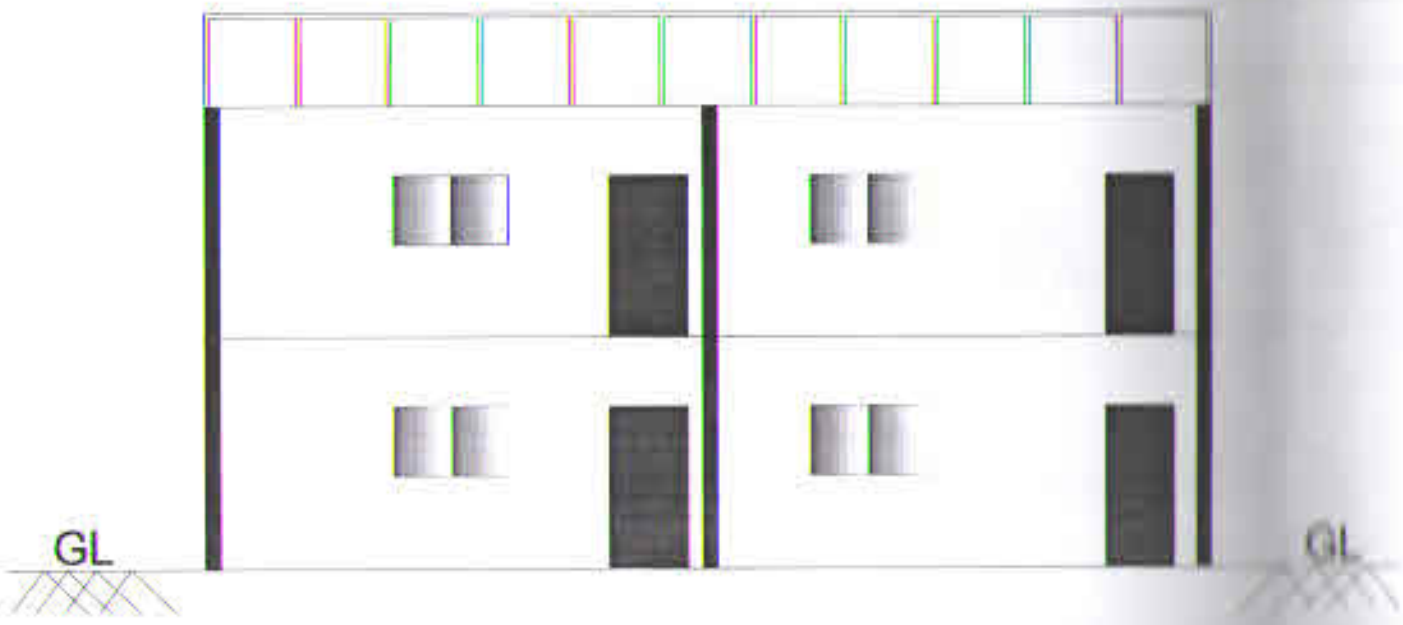
CROSS SECTION AT 1-1

SCHEDULE OF OPENINS

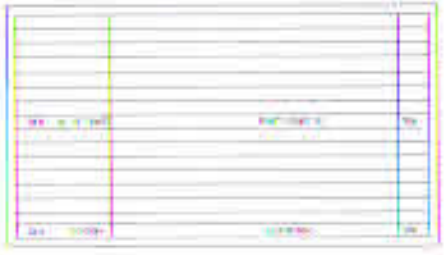
	9	1.20m X 2.10m
	10	1.00m X 1.50m

BRUHAT BANGALORE MAHANAGARA PALIKE

Construction of overnment School Buildin At Kodiehalli In Ward No 08



FRONT ELEVATION



SCHEDULE OF OPENINS		
	8	1.20m X 2.10m
	10	1.50m X 1.50m